

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) Process for the preparation of inorganic materials, comprising:

initially introducing at least one salt solution containing at least one substance into a vessel and optionally bringing together therewith at least one solid and mixing with one another,

adding at least one further salt solution containing at least one substance, thereby precipitating out a resulting inorganic substance because of its lower solubility product, and at least one further substance remains in the solution, optionally adding at least one further salt solution containing at least one substance, or a further solvent to form a suspension,

freezing or solidifying the suspension obtained by cooling, such that a uniform distribution of solid and salt solution being retained in the suspension and preventing sedimentation of solid,

subliming the solvent by application of a vacuum,

drying the suspension,

optionally heat treating the solid obtained, and

identifying the solid obtained or the material obtained in respect of at least one of its morphology, size, composition, and properties, and

optionally repeating these process steps in order to prepare and identify a plurality of material samples in the form of a library.

2. (Currently Amended) The process Process according to claim 1,
wherein the process steps are carried out at least partly in parallel.

3. (Currently Amended) The process Process according to claim 1,
wherein, solids obtained are tested for their catalytic activity.

4. (Currently Amended) A device Device for carrying out the process
according to claim 1 in parallel, comprising at least two suitable vessels are arranged in
parallel such that they are immersed in a cooling medium or a cooling medium flows around
them.

5. (Currently Amended) The process Process according to claim 2,
wherein, solids obtained are tested for their catalytic activity.

6. (Currently Amended) A device Device for carrying out the process
according to claim 2 in parallel, comprising at least two suitable vessels are arranged in
parallel such that they are immersed in a cooling medium or a cooling medium flows around
them.